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Sent via email

June 17, 2015

Jonathan Williams Remedial Project Manager, Superfund Program US EPA, Region 10 1200 Sixth Avenue, Suite 900 Seattle, WA 98101

RE: FMC Operable Unit of the Eastern Michaud Flats Superfund Site Unilateral Administrative Order for Remedial Design and Remedial Action Docket No. CERCLA-10-2013-0116

Replacement of Monitoring Wells 108 and 121 at the FMC OU

Dear Mr. Williams:

As we discussed via telephone on June 3, 2015, the casings at monitoring wells 108 and 121 have been damaged in the course of recent remedial action work and the wells need to be replaced. During the site-wide grading phase work to backfill around the casing extensions at these monitoring wells, the well casings were damaged to an extent that the quarterly monitoring normally conducted at those wells (involving purging and sampling with a submersible pump) could not be performed. Attempts to perform downhole repairs were not successful. These wells therefore will be abandoned and replaced with new monitoring wells.

Monitoring wells 108 and 121 are two of the four monitoring wells in the RCRA Slag Pit Sump groundwater monitoring network that is specified in the Slag Pit Sump post-closure plan (refer to attached Figure 1-2 showing the slag pit sump monitoring well network). Because these wells have been monitored quarterly since they were installed in October 1990, the replacement wells will be constructed to conform as closely as possible to the damaged wells to provide for data comparability to the extent practicable. This means that they will be installed as close as practicable to the existing wells, and will aim at replicating those wells in terms of their construction (e.g., 4-inch PVC casing, screen length, slot size and elevation for top/bottom screen, and annular materials). The boring logs and well construction diagrams for monitoring wells 108 and 121 are attached for your information. The damaged wells will be properly abandoned.

The replacement well drilling and damaged well abandonment is currently scheduled to begin today. When completed, FMC will forward the lithologic logs and well construction diagrams for the replacement wells that will be designated 108A and 121A respectively.



Mr. Jonathan Williams June 17, 2015 Page 2

Following construction and development of the replacement wells, groundwater sampling of the new wells in accordance with the Slag Pit Sump post-closure plan is scheduled to take place on June 29, 2015.

Please contact me at (215) 299-6210 if you have questions regarding this information.

Sincerely,

Marjo Carpenter, PhD Project Coordinator

Marqueite Carpenter

Associate Director, EHS Remediation

FMC Corporation

cc: (as required under the UAO and as directed by EPA)

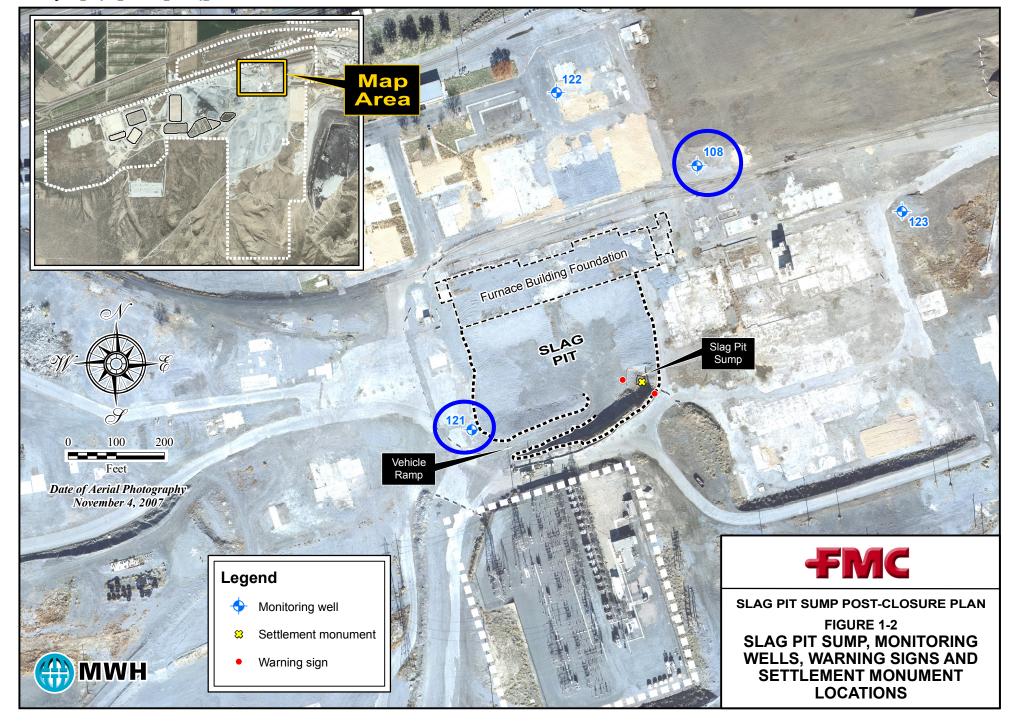
Heather Valdez, EPA

Doug Tanner, IDEQ

Scott Miller, IDEQ

Kelly Wright, Shoshone-Bannock Tribes

Susan Hanson, Shoshone-Bannock Tribes

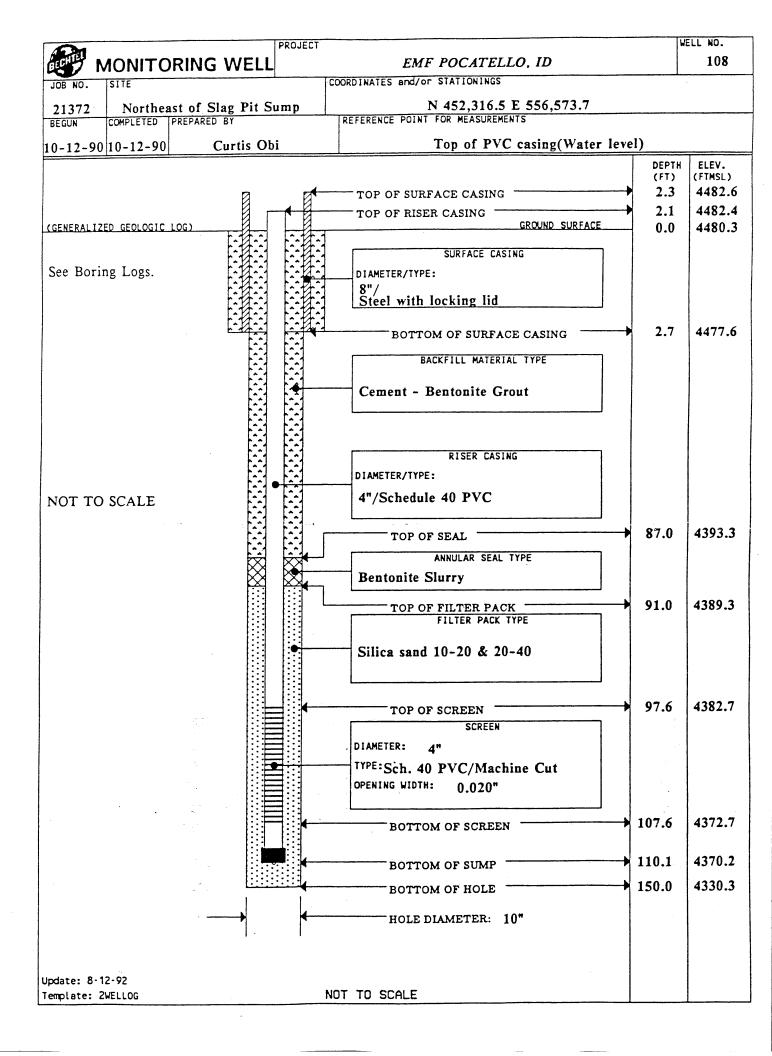




GEOLOGIC DRILL LO	PROJECT	EMF POCATELLO, ID	JOB NO. 21372	SHEET NO. 1 OF 2	HOLE NO.
SITE Northeast of Slag Pit Sump	COORDINATES and			FROM HORIZ	
BEGUN COMPLETED DRILLER	N 4	152,316.5 E 556,573.7	V	ertical	
10-12-90 10-12-90 Layne Envir	Conmental	LL MAKE AND MODEL SIZE		OCK (FT.)	TOTAL DEP
	ESEL. TOP CASING	AP-1000 10" GROUND EL. DEPTH/EL. GROU	150.0	0.0	150.0
/	4482.40	GROUND EL. DEPTH/EL. GROUND ST. 3 84.9/4395.3 ₹ 84.9/4395.3	JND WATER DEF 12-01-90	TH/EL. TOP	OF ROCK
SAMPLE HAMMER WEIGHT/FALL CASING LE		LENGTH LOGGED BY:		/	
	-in / 110.1-ft	3.5	Curtis Obi		
H-July = > BESTER		(Template: BCHTLLS)	Curtis Out		
SAMP. DIANE. SAMP. BLEN CORE REC. CORE REC. CORE REC. LOSS LOSS G. P.M. C. SSESS. S.	DEPTH GRAPHICS	DESCRIPTION AND C		WATER	ON: LEVELS, RETURN, TER OF NG, ETC
	4477.3	0 - 3 ft. SAND (SP): Dusky (10 YR 2/2), dry, fine-grs 10% subangular-to-subrocoarse-grained sand and g 0.5 in.). 3 - 42 ft. SAND (SP): Moder brown (10 YR 5/4), dry, fi	traver (diameter \le \)	Dual-wa drilling wair circul	ll percussion vith reverse ation. r mist (<1 d where pressore
	20-			lising the	and from on samples Unified Soi tion System 2488-84) SA Rock
	438.3	42 - 66 ft. SAND WITH GRAY yellowish brown (10 YR 4/2 fine-grained sand with 10% sand and 30% subangular-to gravel and cobbles (diameter metamorphic lithologies.), dry, coarse-grained		
	60-	66 - 83 ft. SAND WITH GRAVI Moderate yellowish brown (10 coarse-grained sand with) YR 5/4), dry,		
SPLIT SPOON: ST = SHELBY TUBE SITE	E	auhangular-to-auhrounded gr MF POCATELLO, ID	Last Update: 1 8-12-92	OLE NO. 108	



	PROJECT JOB NO. S	SHEET NO HOLE NO		
GEOLOGIC DRILL LOG	EMF POCATELLO, ID 21372	2 OF 2 HOLE NO. 108		
SAND DIANE SAND DIANE SAND LEN CORE RECORE R	THE DESCRIPTION AND CLASSIFICATION S	NOTES ON: N WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
4397.3.	cobbles (diameter ≤ 6 in.) of metamorphic lithologies. 80 - 83 - 93 ft. SILT WITH SAND (ML): Moderate brown (5 YR 3/4) to pale yellowish brown (10 YR 6/2), moist, with 20% fine-grained sand, 5% coarse-grained sand and gravel.			
4371.3_ 4370.3_	93 - 109 ft. GRAVEL WITH SAND (GW): Grayish red (10 R 4/2), wet, well-graded, subangular-to-subrounded gravel and cobbles (diameter \leq 6 in.) with 10-20% coarse-grained sand. 105 - 109 - 110 ft. CLAY (CL): Pale yellowish brown	Encountered ground water during drilling at approximately 93 ft below the ground surface. 93-109 ft: Minimal ground-water discharge (approx. 1 gpm).		
	110 - 110 ft. CLAY (CL): Pale yellowish brown (10 YR 6/2), moist. 110 - 130 ft. GRAVEL (GW): Grayish red (10 R 4/2), wet, well-graded, subangular-to-subrounded gravel and cobbles (diameter ≤ 6 in.) with silt.	110-130 ft: Abundant ground-water discharge.		
4350.3_	130 - 150 ft. SILT (ML): Wet, with coarse-grained sand.			
SS = SPLIT SPOON: ST = SHELRY TURE SITE	TOTAL DEPTH: 150.0 FT.	Boring converted to well on 10-12-90.		
SS = SPLIT SPOON: ST = SHELBY TUBE D= DENNISON P = PITCHER O = OTHER SITE	EMF POCATELLO, ID Last Update: 8-12-92	HOLE NO.		





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GEOLOGIC DRILL	1.00	PROJECT	JOB NO. SH	HEET NO. HOLE NO
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SAND DIANE CENE CARE SCORE REC. BLOUSTER RECOUREY LOSS G.P. I AS G.P. I AS G.P. I AS BRESS. GSSE BRESS. GSSE BRESS	ELEV.	OEPTH (Template: BCHTLLS) DESCRIPTION AND CL	ASSIFICATION	WATER RETUR
	4408.5_ 4401.5_	75 - 82 ft. SAND WITH GRA yellowish brown (10 YR 4/ fine-grained sand with 30% 80 - 85 - 82 ft. SAND WITH GRA yellowish brown (10 YR 4/ fine-grained sand with 30% 82 - 95 ft. SILT (ML): Pale ye YR 6/2), wet, with clay.		Encountered grouwater during drilliat approximately ft below the grounsurface.
		95 - 120 ft. GRAVEL WITH S. Wet, well-graded gravel with sand.	AND (GW): n coarse-grained	95-120 ft: Abunda ground-water discharge (approx. gpm).
	1	10-		
		TOTAL DEPTH: 120.0 FT.	l E	Drilling terminated the request of FMC Boring converted to well on 10-10-90.
			}	

